Original/Duplicate/Triplicate
CONTRACT CERTIFICATE
(For Other Works)

AEE/YNK SUB. DN
SBR No: 34/20-21
Date: 24/9/2020

No 7th & Final

Division: **BBMP / YNK** Sub-Division: **Yelahanka Sub – Division.**

Bill Received No. YNK-DBR No. 101 Date 06.10.2020 Divisional Cash Book Voucher No..... Dated.....

Sub Divisional **Work Code: 002-19-000047.**

Schedule Docket No. Head of Account: Est.Cost: **15.00** Lakhs B.R.No. :

Name of Work : Construction of RO Plant in chowdeshwari ward no -02 of yelahanka Sub division. P-3445

Name of Contractor and Full Address: **Sri Chethan P S/o Prakash nayak, No 53/2-3, 5th cross, 5th main, Larence layout, A C Post, Veerannapalya, Bangalore – 560045.**

Reference to Agreement No. EE/YNK.D/ E-PMT- 10 / W.O/ 00252 /2019-20. Date: 29-02-2020.

Certified that the measurements were taken by me on 9/9/2020 and recorded of Pages 495.01 To 495.23 of measurement Book No 4952 and that the work is satisfactorily executed.

Chethan.P
Contractor

9/9/2020
Officer-in-charge of work

Certified that the measurement were taken by me on 9/9/2020 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the Office.

Asst. Executive Engineer
Yelahanka Sub-Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore
Sub-Division Officer

II Memorandum of Payment

1) Total value of work done or supplies made as per account within
2) Deduct amount to be held in reserve being .....percent Rs.....
3) " Balance
4) Deduct Payment:
   a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No.....
      adjusted towards cash advance recovery of
   b) Payments Now made { cost store or other material supplied. / recovery of amount creditable to this/other work / Amount paid on this bill Cheque / Cash.
5) Balance being unpaid value of work done held in reserve.
6) Deduct cash advance made on the Office cash Book Voucher No.... dated .....less adjustments.
7) Net amount due to or from Contractor unadjustments items.
8) Advance to Contractor for materials brought to site (as detailed) within
9) Value of Government materials supplied.

Gross Amt	Rs 1316187-00
WCT Amount	Rs —
CGST	Rs 13162-00
SGST	Rs 13162-00
IT	Rs 13162-00
LC	Rs 13162-00
CESS	Rs 1317-00
Royalty	Rs 4230-00
T.R	Rs 58195-00
Total Amount	Rs 1257992-00

Total amount adjusted

Chethan.P
Contractor's Signature

Received Rs..... (in words).....

.....

by cash and by adjustment of Payment as per memorandum (in final settlement of all demands)

(For use in the Office)

Witness
1.
2.

Chethan.P
Signature of Contractor

Dated

Paid by me by Cheque No.....Dated.....

Cash Rs .....

Dated.....

Initials of Officer making payment

Stamp

Audited & Admitted for Rs. 1316187-00
Thirteen lakh Sixteen thund
red hundred and Eighty Seven.
1257992-00 by Cheque
and Rs. 58195-00 by adjustment

Executive Engineer

Accts. Supdt.
Yelahanka Division
BBMP

Exe. Engineer
Yelahanka Division
BBMP

sl no	Description of work	Unit	Qty
1	KSRB 2-1 1 Earth work in surface excavation in hard soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1 5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, Specification No	cum	
2	KSRB 2-2 2 Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1 5m and above in width, in hard soil not exceeding 1 5m , in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. specification, specification. No.	cum	
3	KSRB 100-1 Loading and unloading ofstone aggregates / sand/ kanker/ Moorum /soil KSRRB M100-1 Placing tipper at loading with front end loader dumpting turning for return trip excluding time for haulged and return trip complete as per specification item No 17 1 page 141 and KSRB M 100 4 1 costof haulage excluding loading and unloading MORTH to a distance of 4 00 K M	cum	
4	KSRB-4-1 3 Providing and laying in position plain cement concrete of mix M7 5 withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0 892cum and fine aggregates @0 57cum machine mixed, concrete laid in layers not exceeding 15cms, thick well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery curing complete as per specifications Specification No	Cum	
5	KSRB 2 3 Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms, in depth, compacting each deposited layers by ramming after watering with lead upto 50m, and lift upto 1 5m, including cost of all labour complete as per specifications. specification No	Cum	
6	KSRB 5 2 3 Providing and constructing granite / trap / basalt rubble stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m apart in each course including cost of materials, labour, curing complete as per specifications KBS 5 1 13 Page No 23/ Item No 5 6/ PWD SR 2018-19	Cum	
7	KSRB 5 3-3 Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:8, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m apart in each course including cost of materials, labour, curing complete as per specifications KBS 5-1 13 Page No 26/ Item No 5 9/ PWD SR 2018-19	Cum	
8	Providing flush pointing to square rubble course or uncoursed stone masonry with cement mortar 1 3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.	sqm	
9	KSRB 4 2 2 Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0 878cum and fine aggregates @0 459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery curing complete as per specifications Specification No KBS 4 1,4 6, No KBS 4 1,4 6, No. 13/ Item No. 4 11/ PWD SR 2014-15	Cum	
10	KSRB 4-6 10 Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specifications Specification NO KBS 4 6 2 Page No. 16/ Item No 4 37/ PWD SR 2018-19	sqm	
11	KSRB 5-14 Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1 4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I S 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications.	sqm	
12	KSRB 4 9 2 providing T M T steel reinforcement for R C C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No	Quintal	
13	KSRB 15 3 1 Providing 12mm thick cement plaster in single coat with cement mortar 1 6, to brick masonry including rounding off corners wherever reuired smooth rendering, Providing and removing scaffolding, including cost of materials, labour. Curing complete as per specifications. Page No 122/ Item No 15 11/	sqm	
14	VENTILATORS Hinges 5" heavyduty	Each	
15	bottom lock nail	Each	
16	MS Clamps	Each	
17	Brass screws 25mm	Each	
18	Providing and fixing single shutter glass door of 12mm thick plain Toughened glass (Saint Gobain Modi float) The door is fixed by using any approved make hardware fitting like patch fitting, pivot,Floor machine, locking arrangements and suitable SS door rails withFloral glass etching for 1/3 portion of door area etc complete. The rate includes cost of all materials, labour, hire of tools & machineries, and as per specification. Page No.308/ Item No. 39 5 / PWD SR 2016-19	sqm	
19	Providing and fixing Special make glazed Vitrified tiles (Granomite finis) of approved make, quality and colour of sized 6000x600x10mm thick fixed on existing flooring wit ha special roffe adhesive for flooring and skirting etc , complete including providing spears at required interval and removing stains etc , complete. Page No. 104/ Item No. 14.44 / PWD SR 2018-19	sqm	

Previous Measurment		Present Measurement			Total up-to date		Remarks
Qty	cost	Qty	Rate	Cost	Qty	cost	
–	–	3 3	376	1240 80	3 30	1240 80	
–	–	10 74	484	5198 16	10 74	5198 16	
–	–	10 74	75	805 50	10 74	805 50	
–	–	4 67	5510	25731 70	4 67	25731 70	
–	–	6 3	217	1367 10	6 30	1367 10	
–	–	6 31	4963	31316 53	6 31	31316 53	
–	–	2 18	5921	12907 78	2 18	12907 78	
–	–	5 4	152	820 80	5 40	820 80	
–	–	3 51	6111	21449 61	3 51	21449 61	
		8 1	348	2818 80	8 10	2818 80	
–	–	37 87	984	37264 08	37 87	37264 08	
–	–	0 25	76643	19160 75	0 25	19160 75	
–	–	87 39	208	18177 12	87 39	18177 12	
–	–	4	31	124 00	4 00	124 00	
–	–	10	39	390 00	10 00	390 00	
–	–	8	32	256 00	8 00	256 00	
–	–	50	1 69	84 50	50 00	84 50	
–	–	7 49	9650 88	72285 09	7 49	72285 09	
–	–	20 32	1186 92	24118 21	20 32	24118 21	

sl no	Description of work	
20	KSRB 14 13 1 Providing precast chequered mosaic tiles dark shade using ordinary grey cement for steps and flooring, with precast 20mm thick, using marble chips of approved colour 7 to 10 nominal size laid in floors, steps and landings on a bed of 12mm thick cement mortar 1:6 mix, jointed with neat cement slurry mix with pigment to match the shade of tiles curing, rubbing, polishing , oxalic acid wash, wax polish, including cost of materials, labour, HOM machinery complete as per specifications. Page No.102/ Item No. 14.28 PWD SR 2018-19	sqm
21	KSRB 15-17 2 Applying priming coat over new wood surface and / or wood based surface after brushing with wood primer pink paint including preparing the surface after thoroughly cleaning oil, grease, dirt, and foreign matter, sand papering and knotting ready mix paint including cost of materials, labour, complete as per specifications Page No. 114/ Item No. 15.56 / PWD SR 2018-19	sqm
22	KSRB 15-17 6 Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications. Page No.115 / Item No. 15.60.1 / PWD SR 2018-19	sqm
23	KSRB 15.15.1 Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth cost of materials, labour, complete as per specifications. with primer. Page No 113/ Item No. 15.51.2 / PWD SR 2018-19	sqm
24	KSRB 15-16 Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to given an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. with primer,page No.114 item No.15.53.2/PWD SR 2018-19	sqm
25	PROVIDING TRAPEZOIDAL PROFILED SHEET Providing and installing of pre painted Galvolume iron Trpezoidal profiled sheet of approved make 1050mm width (1000mm cover width), 28-30 mm crest height with cest distance of 200 mm c/c with 2nbs at the center for stiffening , The total coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc –Alu Alloy coating AZ 150 gsm as pe ASTM 1397/A755-550 mpa steel grade. 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling /self tapping screws of 25mm length,to be fixed over the existing purlins, rafters channel and trusses No. 300/ Item No. 38.30 PWD SR 2018-19	sqm
26	Steel Pre fabricates structure with a 14 Guage (3)" each 60 kg including cutting and transportation complete	kgs
27	Point wiring using Copper wire with switch Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2X1.5Sq.mm Cable confirming to the GTP without switch the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block complete for each outlet GROUP A 2.3.1) Short point upto 3Mtr from tapping point to out let via switch box	Point
28	2.3.2) Medium point above 3Mtr upto 6Mtr from tapping point to out let via switch box	Point
29	2.3.3) Long point above 6Mtr upto 10Mtr from tapping point to out let via switch box	Point
30	Open Conduit System Supplying heavy gauge PVC conduit pipe ..... dia .....mm thick confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc , and fixing using inverted wood plugs in case of RCC ceiling and RCC wall / stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws 1.1.1) 19/20mm dia 2mm thick	mtr
31	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A. 2.5.2) 1.5 sqmm	Mtr
32	2.5.1) 1 sqmm	Mtr
33	2.5.3) 2.5 sqmm	Mtr
34	2.5.4) 4 sqmm	Mtr
35	Supplying and flush mounting teak wooden box without front plank, made of not less than 12mm thick wood, after due groove cutting, Finishing with necessary cement plastering complete 1.6.3) 10"x7"x3" (254x178x76mm)	Each
36	1.6.4) 8"x6"x3" (203x152x76mm)	Each
37	1.6.1) 12"x12"x3" (300x300x76mm)	Each
38	Supplying 4mm thick plastic sheet with necessary nitches for fixing switches, regulators etc., and fixing on existing wooden or metal box using N.F. screws	Sqcm
39	Supplying and fixing/replacing of 6/16/32Amps electrical accessories on existing switch board GROUP A 3.15.1) 6Amps SP Switch	no
40	3.15.3) 6Amps 3 way 5 pin Socket	no
41	3.15.6) 6 Amps lamp holder	no
42	3.15.13) 16/6 Amps combined plug and socket with control switch	no

Previous Measurment		Present Measurement			Total up-to date		Remarks
Qty	cost	Qty	Rate	Cost	Qty	cost	
–	–	5.04	1155.6	5824.22	5.04	5824.22	
		8.22	49.68	408.37	8.22	408.37	
		8.22	104.76	861.13	8.22	861.13	
–	–	8.22	97.2	798.98	8.22	798.98	
–	–	7.5	97.2	729.00	7.50	729.00	
–	–	17.55	743.04	13040.35	17.55	13040.35	
		154	95	14630.00	154.00	14630.00	
–	–	2	144	288.00	2.00	288.00	
		2	215	430.00	2.00	430.00	
		2	334	668.00	2.00	668.00	
–	–	10	54	540.00	10.00	540.00	
–	–	50	18.6	930.00	50.00	930.00	
		30	13	390.00	30.00	390.00	
		30	29.2	876.00	30.00	876.00	
		30	42.1	1263.00	30.00	1263.00	
–	–	2	87	174.00	2.00	174.00	
		1	73	73.00	1.00	73.00	
		1	116	116.00	1.00	116.00	
–	–	1225	0.25	306.25	1225.00	306.25	
–	–	1	35	35.00	1.00	35.00	
		1	53	53.00	1.00	53.00	
		3	48	144.00	3.00	144.00	
		4	268	1072.00	4.00	1072.00	

no	Description of work	Unit
43	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP B 3.7.18) 1000-1200Watts Dimmer	Each
44	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898 6.16.1) 5-32Amps SP	Each
45	Supplying, fixing, wiring earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit .... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia	No
46	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers 6.7.1) 16Amps	Each
47	Supply patty type fluorescent tube light fitting of 4'-36/40 watts fluorescent tube fitting, made out of M.S sheet and stove enameled with low loss open construction copper wound ferromagnetic ballast, starter, locking type brass contact holders mounted on double fold type sheet base fully wired for use on230 Volts A.C Supply including 1No 4'-36/40 Watts fluorescent tube c) Group 'C' KPWD SR (Ele) 2010-11	Each
48	Fixing all types and all capacities of fluorescent / false ceiling / spot light / CFL / LED fittings indoor on the wall / ceiling / rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required Nos of round blocks and clamps 17.7.1) On wall / ceiling / Rafter / Girders	Each
49	SHORT POLES (whereas clearance between Messenger wire and ground is inadequate) a) Supplying and fixing 40mm diat 2.90 thick GI pipe 1.8m long complete with atleast 2 GI pipe 1.8m, long complete with atleast 2 Nos of through bolts 12 mm dia with MS back plate 100x100x6mm dia with eye bolt fixed at top deadeninding messenger wire with masonary patch work etc., complete as per approved drawing (for single phase installations) PWD SR 2007-08	Each
50	INSULATED CABLE ON MESSENGER WIRE Using 2 single core wires for a single phase and 4 single core wires for 3 phase Supplying and stringing PVC insulated and PVC sheathed 650/1100V class aluminium conductor of size supported by 3.15mm (10 SWG) GI messenger wire with two break insulators one at each end of the span with suspenders at intervals of 0.75m. Each suspender shall be of porcelain reel insulator of suitable core through which insulated wire passes(single core or twin core as the case may be) and this reel insulator shall be fixed to the messenger wire using 2mm (No.14SWG) GI wire suitably bent and twisted. Separate reely insulator shall be provided for each wire, the messenger wire shall be ded-ended on the clamp provided to the departmental pole wide item No.4 above (Page No 56 item No.5 a)Single Phase using 2 Wire e) 16 Sqmm	mtr
51	**C) 10000LPD R. O Plant Quotation**	
	RAW WATER PUMP :	
	Quantity	1 No.
	Type	
	MOC & Make Centrifugal mono block	UKL
	Motor Rating	0.75 HP
	PRESSURE SAND FILTER :	
	Quantity	1 No.
	Capacity 1000 LPH	
	MOC & Make of housing	UKL
	MOC & Make of cartridge	UKL
	Capacity 1000 LPH	
	MOC & Make of vessel	UKL
	Diameter	400 mm
	Type of Valve Single - multiport	
	Media Support bed + sand	
	MICRON CARTRIDGE FILTER :	
	Quantity	1 set
	Filter Rating	5 microns
	Size	20" long

Previous Measurment		Present Measurement			Total up-to date		Remarks
Qty	cost	Qty	Rate	Cost	Qty	cost	
–	–	1	447	447.00	1.00	447.00	
–	–	1	418	418.00	1.00	418.00	
–	–	1	2727	2727.00	1.00	2727.00	
–	–	1	120	120.00	1.00	120.00	
–	–	5	340	1700.00	5.00	1700.00	
–	–	5	98	490.00	5.00	490.00	
–	–	1	525	525.00	1.00	525.00	
–	–	55	85	4675.00	55.00	4675.00	

sl no	Description of work	
	ANTISCALANT DOSING PUMPS :	
	Quantity	1 No.
	Type Electro - magnetic	
	Capacity 1.5 LPH @ 4 Bar	
	Dosing Tank HDPE - 50 ltr	
	HIGH PRESSURE PUMP :	
	Quantity	1 No.
	Capacity	1700 LPH
	Type of Pump Vertical Multistage Centrifugal Pump	
	MOC	SS 304
	Motor Rating 2 HP 3 Phase	
	Maximum Pressure 12 kg / cm2	
	Make	
	RESERVE OSMOSIS SYSTEM :	UKL
	Quantity	1 No.
	Capacity	1000 LPH
	Module Type	
	Membrane Specifications (Polyamide)	
	Make of Membrane	UKL
	No. of Membranes	
	UV STERILISER	
	Max. Treatment Flow	1 m3/hr
	No. of Lamps	1 No.
	Wattage	39W
	Efficiency	99.99%
	Material of construction	SS 304
	BBMP Approved Rate	mtr
		TOTAL

Certificates

1 The above work is done satisfactorily and complete in all respect.
2 There is no department Material issue for the above work.
3 This works comes under BBMP Limit

Previous Measurment		Present Measurement			Total up-to date		Remarks
Qty	cost	Qty	Rate	Cost	Qty	cost	
		1	946000 0	946000 00	1 00	946000 00	
		Sub total		1276524		1276524	
		GST 12%		153183		153183	
		Grand total		1429707		1429707	

AE-02

1316187/-

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore